



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/386,000	08/30/1999	KENICHI MIYAZAKI	Q55595	9906
7590	02/10/2004		EXAMINER	
SUGHRUE MION ZINN MACPEAK & SEAS 2100 PENNSYLVANIA AVENUE NW WASHINGTON, DC 200373202			MACKEY, PATRICK HEWEY	
			ART UNIT	PAPER NUMBER
			3651	

DATE MAILED: 02/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/386,000	MIYAZAKI, KENICHI	
	Examiner Patrick H. Mackey	Art Unit 3651	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is **FINAL**.                                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-6, 13, 15-18, 26 and 31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6, 13, 15-18, 26 and 31 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 38, 39, 41.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_.

## **DETAILED ACTION**

1. The amendment filed 11/19/2003 has been entered.

### ***Requirement for Information Under 37 CFR §1.105***

2. Applicant and the assignee of this are required under 37 CFR 1.105 to provide the following information that the examiner has determined is reasonably necessary to the examination of this application.
3. The information is required to extend the domain of search for prior art. Limited amounts of art related to the claimed subject matter are available within the Office, and are generally found in class 271 which describes sheet feeding devices. A broader range of art to search is necessary to establish the level of knowledge of those of ordinary skill in the claimed subject matter of the height of sheet feeding areas of large printers and large printers with sheet feeding areas operable to feed paper rolls and flat sheets of paper.
4. In response to this requirement, please provide the citation and a copy of each publication which any of the applicant authored or co-authored and publications describing inventions the assignee owns or that the assignee has knowledge and which describe the claimed subject matter of the height of sheet feeding areas of large printers. This information should include, but should not be limited to, information regarding all large printers sold by the assignee and related business entities, as well as large printers designed by inventors employed by the assignee and related business entities. The height of the sheet feeding area of each large printer should be specifically pointed out. Additionally, the applicant and assignee should include any governmental regulations, rules, guidelines, standards, and recommendations in place at the time

of the invention regarding the height of large rolls of large printers and the feeding height of large printers.

5. For each publication, please provide a concise explanation of the reliance placed on that publication in distinguishing the claimed subject matter from the prior art.

6. The fee and certification requirements of 37 CFR §1.97 are waived for those documents submitted in reply to this requirement. This waiver extends only to those documents within the scope of this requirement under 37 CFR §1.105 that are included in the applicant's first complete communication responding to this requirement. Any supplemental replies subsequent to the first communication responding to this requirement and any information disclosures beyond the scope of this requirement under 37 CFR §1.105 are subject to the fee and certification requirements of 37 CFR 1.97.

7. In responding to those requirements that require copies of documents, where the document is a bound text or a single article over 50 pages, the requirement may be met by providing copies of those pages that provide the particular subject matter indicated, the subject matter found in applicant's disclosure.

8. The applicant is reminded that the reply to this requirement must be made with candor and good faith under 37 CFR 1.56. Where the applicant does not have an item of required information, a statement that the item is unknown will be accepted as a complete response to the requirement for that item.

***Claim Rejections - 35 USC § 112***

9. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it

Art Unit: 3651

pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

10. Claims 1-6, 15, 26, and 31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claims 1, 15, and 26 recite that the paper feeding unit is operable to feed one roll of paper, one substantially flat sheet of paper, and one stiff carton. The specification as filed does not describe a device that is operable to feed three distinct items as now recited in claims 1 and 15.

***Claim Rejections - 35 USC § 102***

11. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

12. Claims 13 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Orbons et al. (EP 0727375 A1). Orbons discloses a sheet feeding area with a plurality of rolls arranged obliquely to each other.

13. Claims 16 is rejected under 35 U.S.C. 102(b) as being anticipated by Takumi (JP 63154558). Takumi discloses a sheet feeding area with an elongative member and a pair of supports pivotable toward the front of the printer.

***Claim Rejections - 35 USC § 103***

14. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Art Unit: 3651

15. Claims 13 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over McCulley in view of Smedal. McCulley discloses a paper roll attachment for a type writer that includes a sheet feeding area and a plurality of paper rolls arranged obliquely to each other, a printer (D), and a paper discharge area (generally at 19). McCulley discloses all the limitations of the claims, but it does not disclose a sheet feeding area positioned at a height at which a user, who is approximately 170 cm tall, can set up a printing medium without having to bend substantially at the waist when the user is standing erect in front of the printer and standing substantially at ground level, when the printer is placed substantially at ground level. However, Smedal discloses a roll attachment for type writers that includes a frame (5) with a vertical leg (3) adapted to be supported at any elevation (see page 1, lines 85-90), including a height at which a user, who is approximately 170 cm tall, can set up a printing medium without having to bend substantially at the waist when the user is standing erect in front of the printer and standing substantially at ground level, when the printer is placed substantially at ground level, for the purpose of adapting the attachment to any type writing machine (see page 1, lines 15-30). It would have been obvious to a person of ordinary skill in the art at the time of the applicant's invention to modify McCulley by utilizing a frame with a vertical leg adapted to be supported at any elevation, including a height at which a user, who is approximately 170 cm tall, can set up a printing medium without having to bend substantially at the waist when the user is standing erect in front of the printer and standing substantially at ground level, for the purpose of adapting the attachment to any type writing machine.

***Response to Arguments***

Art Unit: 3651

16. Applicant's arguments filed 11/19/2003 have been fully considered but they are not persuasive.

17. The examiner incorporates all previous responses to the applicant's remarks.

***Conclusion***

18. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick H. Mackey whose telephone number is (703) 308-0630. The examiner can normally be reached on Tuesday-Friday 7:00 a.m. - 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Ellis can be reached on (703) 308-2560. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Patrick H. Mackey  
Primary Examiner  
Art Unit 3651

February 6, 2004